

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|--|--------------------------------|------------------|---------|---------------------|
| S2 | 503 | (123/436).CCLS. | USPAT; USOCR | OR | OFF | 2008/01/02 14:44 |
| S3 | 111 | (123/679).CCLS. | USPAT; USOCR | OR | OFF | 2008/01/02 14:44 |
| S12 | 285 | (123/90.18).CCLS. | USPAT; USOCR | OR | OFF | 2008/01/02 17:32 |
| S14 | 444 | (701/104).CCLS. | USPAT; USOCR | OR | OFF | 2008/01/02 17:33 |
| S15 | 656 | (701/110).CCLS. | USPAT; USOCR | OR | OFF | 2008/01/02 17:33 |
| S16 | 1522 | (73/116).CCLS. | USPAT; USOCR | OR | OFF | 2008/01/02 17:33 |
| S17 | 1915 | (73/118.1).CCLS. | USPAT; USOCR | OR | OFF | 2008/01/02 17:33 |
| S18 | 638 | (73/118.2).CCLS. | USPAT; USOCR | OR | OFF | 2008/01/02 17:33 |
| S19 | 4 | ("4368707" "4442815" "4829963" "5345912"). PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/03 10:19 |
| S20 | 38265 | (Air OR Oxygen OR Fuel) SAME (Vari\$5 OR Deviat \$3 OR Disparit\$3 OR Dissimilar\$3 OR Diver\$5 OR Differ\$4) SAME (Cylinder) | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2008/01/03 15:30 |
| S21 | 32106 | (Increas\$3 OR Amplif\$4 OR Augment\$3 OR Boost \$3 OR Magnif\$4 OR Multipl \$4 OR Rais\$3 OR Decreas \$3 OR Lower\$3 OR Modif \$4 OR Reduc\$3 OR Adjust \$3) SAME (Fuel OR Gasoline OR Gas) SAME (torque OR (rotation NEAR speed) OR (crank NEAR speed) OR RPM) | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2008/01/03 15:31 |
| S22 | 1938 | S20 SAME S21 | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2008/01/03 15:31 |
| S23 | 0 | S22 AND ("123.clas" OR "701.clas" OR "73.clas") | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2008/01/03 15:36 |

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|-----|-------|--|--------------------------------|----|----|---------------------|
| S24 | 0 | "123.clas" OR "701.clas" OR "73.clas" | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2008/01/03 15:37 |
| S25 | 38265 | (Air OR Oxygen OR Fuel) SAME (Vari\$5 OR Deviat \$3 OR Disparit\$3 OR Dissimilar\$3 OR Diver\$5 OR Differ\$4) SAME (Cylinder) | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2008/01/03 15:38 |
| S26 | 32106 | (Increas\$3 OR Amplif\$4 OR Augment\$3 OR Boost \$3 OR Magnif\$4 OR Multipl \$4 OR Rais\$3 OR Decreas \$3 OR Lower\$3 OR Modif \$4 OR Reduc\$3 OR Adjust \$3) SAME (Fuel OR Gasoline OR Gas) SAME (torque OR (rotation NEAR speed) OR (crank NEAR speed) OR RPM) | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2008/01/03 15:38 |
| S27 | 1938 | S25 SAME S26 | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2008/01/03 15:38 |
| S28 | 1534 | S27 AND ("123".clas. OR "701".clas. OR "73".clas.) | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2008/01/03 15:38 |
| S29 | 44239 | (Increas\$3 OR Amplif\$4 OR Augment\$3 OR Boost \$3 OR Magnif\$4 OR Multipl \$4 OR Rais\$3 OR Decreas \$3 OR Lower\$3 OR Modif \$4 OR Reduc\$3 OR Adjust \$3) SAME (Fuel OR Gasoline OR Gas) SAME (torque OR (rotation NEAR2 speed) OR (crank NEAR2 speed) OR RPM OR (Engine NEAR2 Speed)) | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2008/01/03 15:47 |
| S30 | 7271 | (Air OR Oxygen OR Fuel) SAME (Vari\$5 OR Deviat \$3 OR Disparit\$3 OR Dissimilar\$3 OR Diver\$5 OR Differ\$4) SAME (Cylinder) SAME (detect\$3 OR sens\$3) | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2008/01/03 15:58 |
| S31 | 833 | S29 SAME S30 | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2008/01/03 15:58 |
| S32 | 705 | S31 AND ("123".clas. OR "701".clas. OR "73".clas.) | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2008/01/03 15:59 |

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|-----|------|--|--------------------------------|----|-----|---------------------|
| S33 | 1140 | S28 NOT S32 | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2008/01/03 16:00 |
| S34 | 10 | S32 AND (Intake NEAR air NEAR amount NEAR Variation) | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2008/01/03 16:13 |
| S35 | 188 | 123/344.ccls. | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2008/01/03 16:26 |
| S36 | 183 | S32 AND (123/344.ccls. OR 123/345.ccls. OR 123/346.ccls. OR 123/347. ccls. OR 123/348.ccls. OR 123/436.ccls. OR 123/90.15.ccls. OR 123/90.16.ccls. OR 123/90.17.ccls. OR 123/90.18.ccls. OR 701/103.ccls. OR 701/104. ccls. OR 701/110.ccls. OR 73/116.ccls. OR 73/118.1. ccls. OR 73/118.2.ccls.) | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2008/01/03 16:30 |
| S37 | 403 | S28 AND (123/344.ccls. OR 123/345.ccls. OR 123/346.ccls. OR 123/347. ccls. OR 123/348.ccls. OR 123/436.ccls. OR 123/90.15.ccls. OR 123/90.16.ccls. OR 123/90.17.ccls. OR 123/90.18.ccls. OR 701/103.ccls. OR 701/104. ccls. OR 701/110.ccls. OR 73/116.ccls. OR 73/118.1. ccls. OR 73/118.2.ccls.) | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2008/01/03 16:31 |
| S38 | 55 | S36 AND lean AND rich | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2008/01/03 16:41 |
| S39 | 117 | S37 AND lean AND rich | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2008/01/03 16:42 |
| S40 | 320 | (123/344).CCLS. | USPAT; USOCR | OR | OFF | 2008/01/03 18:18 |
| S41 | 0 | ("2007/0163547").URPN. | USPAT | OR | ON | 2008/01/03 18:45 |
| S42 | 207 | (123/345).CCLS. | USPAT; USOCR | OR | OFF | 2008/01/04 08:59 |
| S43 | 243 | (123/346).CCLS. | USPAT; USOCR | OR | OFF | 2008/01/04 14:14 |
| S44 | 240 | (123/347).CCLS. | USPAT; USOCR | OR | OFF | 2008/01/04 14:25 |

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|-----|------|---|-----------------|----|-----|---------------------|
| S45 | 227 | (123/348).CCLS. | USPAT; USOCR | OR | OFF | 2008/01/04 14:45 |
| S46 | 1718 | (123/90.15).CCLS. | USPAT; USOCR | OR | OFF | 2008/01/04 15:00 |
| S47 | 1679 | (123/90.16).CCLS. | USPAT; USOCR | OR | OFF | 2008/01/04 15:00 |
| S48 | 1519 | (123/90.17).CCLS. | USPAT; USOCR | OR | OFF | 2008/01/04 15:00 |
| S49 | 50 | (("4245604") or ("4245605") or ("4250706") or ("4256062") or ("4257377") or ("4264537") or ("4272460") or ("4286560") or ("4308827") or ("4321900") or ("4327675") or ("4362673") or ("4364363") or ("4385491") or ("4400974") or ("4401086") or ("4436072") or ("4442818") or ("4484441") or ("4489696") or ("4520783") or ("4522180") or ("4561404") or ("4858136") or ("4886030") or ("5183021") or ("5239966") or ("5522366") or ("5529043") or ("5568799") or ("5586537") or ("5586544") or ("5590632") or ("5609142") or ("5611310") or ("5622049") or ("5644073") or ("5690074") or ("5701871") or ("5878711") or ("5947098") or ("5970947") or ("5988138") or ("5992372") or ("6014955") or ("6073606") or | USPAT; USOCR | OR | OFF | 2008/01/07 15:58 |

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|-----|------|---|------------------------------|----|-----|---------------------|
| | | ("6178943") or ("6230699") or ("6240354") or ("6244047").PN. | | | | |
| S50 | 493 | (701/103).CCLS. | USPAT; USOCR | OR | OFF | 2008/01/08 09:01 |
| S51 | 1 | ("5377654").PN. | USPAT; USOCR | OR | OFF | 2008/01/09 15:22 |
| S52 | 1 | ("7128051").PN. | USPAT; USOCR | OR | OFF | 2008/01/09 15:23 |
| S53 | 1 | ("6694960").PN. | USPAT; USOCR | OR | OFF | 2008/01/09 15:27 |
| S54 | 1 | ("6324835").PN. | USPAT; USOCR | OR | OFF | 2008/01/09 15:27 |
| S55 | 1 | ("20050188929").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/09 15:29 |
| S56 | 1 | ("7159547").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/09 15:47 |
| S57 | 1 | ("4513721").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/10 09:46 |
| S58 | 1 | ("4442815").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/10 09:46 |
| S59 | 1 | ("6975934").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/10 09:46 |
| S60 | 493 | (701/103).CCLS. | USPAT; USOCR | OR | OFF | 2008/01/15 09:35 |
| S61 | 386 | (701/111).CCLS. | USPAT; USOCR | OR | OFF | 2008/01/15 09:35 |
| S62 | 1218 | (73/117.3).CCLS. | USPAT; USOCR | OR | OFF | 2008/01/15 09:36 |
| S63 | 1 | ("6079511").PN. | USPAT; USOCR | OR | OFF | 2008/01/16 10:20 |
| S64 | 1 | ("5447061").PN. | USPAT; USOCR | OR | OFF | 2008/01/16 10:21 |

1/17/2008 6:37:19 PM

C:\Documents and Settings\svilakazi\My Documents\EAST\Workspaces
\10589898IntakeAirVariationDetector.wsp